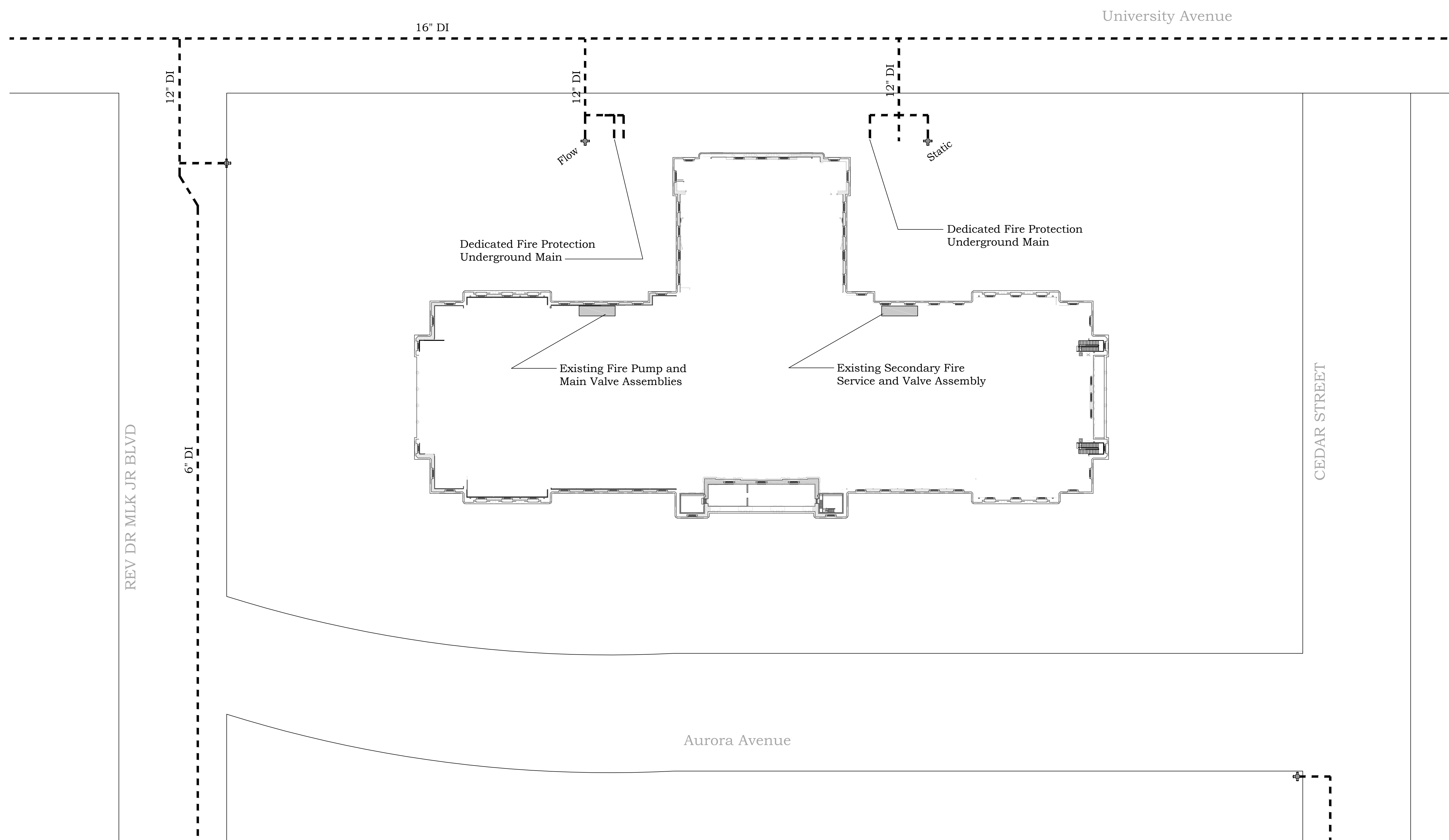


Flow Test Data  
Date: May 15, 2013  
Static: 56 psi  
Residual: 50 psi  
Flow: 2,018 gpm



## 1 Site Plan

SCALE : No Scale



WP-1 FIRE PROTECTION DEMOLITION SCOPE OF WORK NOTES:


1. The Fire Protection Contractor Drawings Show All Existing Fire Protection Systems as can be Viewed or as Indicated on Previous Contract Documents Available. This Contractor shall Field Verify All Existing Conditions to Determine the Entire Extent of Existing Fire Protection Piping and Equipment.
2. This Contractor shall Leave All Existing Fire Protection Systems/Piping/Sprinklers that are Necessary to Serve ALL Occupied Areas. Refer to Architectural Drawings for Occupied Spaces. Work shall Provide Temporary Sprinkler Protection at All Times to Serve a Required Occupied Corridor System that Connects the East, West and North Campus Tunnels at the Terrace Level, as well as any Exit Path Required by the AHJ for Terrace Level Occupants. The Occupied Corridor System may Temporarily be Relocated to Facilitate Demolition Activities but Temporary Protection utilizing Upright Sprinklers shall be Provided at All Times for the Temporary Corridors.
3. Existing Standpipe and/or Riser Feeds to All Occupied Upper Levels shall Remain Active and be Maintained.
4. Where any Piping needs to be Removed to Accommodate a Wall, Floor, or Ceiling Removal, Extend Temporary Piping to Maintain Fire Protection Water Flow to All Active Sprinklers Required for Full Fire Protection of Occupied Terrace Level Spaces as well as All Floor Levels Above.
5. The Fire Pump, Controller and All Valves/Flow Switches, etc. that are Associated with Protection of this Level and any other Levels Above shall Remain Active and Fully Functional During and After Demolition. Make Any Temporary Reconnections of Piping, Controls, Wiring, Panels, etc., as Necessary to a Permanent Structure to Remain After Demolition.
6. Verify All Existing Conditions before Starting any Demolition Work. Not All of the Work on this Plan could be Field Verified due to Inaccessible Ceilings and Limited Visibility. This Contractor shall make an Allowance in their Bid to Remove/Reroute an Additional Amount of Existing Equipment or Materials that may not be Accounted for on the Plans or Indicated in Existing Drawings. Remove Any and All Inactive Piping, Valves, Sprinklers, Etc in their Entirety. Cap All Existing to Remain Piping.
7. Coordinate Noisy Construction and/or Shut-down Work with the Building Owner as to not Disturb the Existing Tenant. After Hours and Weekend Work may be Necessary. Coordinate Requirements with Owner

## SHEET LEGEND

FP000 - Site Plan, Details and Notes  
 FP100A - Terrace East Fire Protection Demo Plan  
 FP100B - Terrace West Fire Protection Demo Plan  
 FP100C - Terrace North Fire Protection Demo Plan  
 FP200A - Terrace East Fire Protection  
 FP200B - Terrace West Fire Protection  
 FP200C - Terrace North Fire Protection

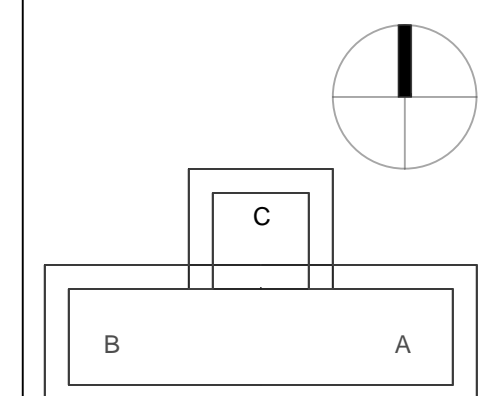
**DIVISION 21 CONSTRUCTION NOTES:**

- 1.) The Division 21 Construction Notes on this Drawing also Pertain to the Fire Protection Work indicated on the Additional Fire Protection Drawings included as Part of this Document Set.
- 2.) Fire Protection Contractor's Scope of Work includes Demolition Work on Terrace Level, Temporary Fire Protection in Select Areas on Terrace Level and Tie-in Work for Existing Systems to Remain AS-IS. See Drawings and Specifications for Additional Scope of Work Information.
- 3.) This is a Bid Document and is not a Design Drawing. Confirmation of the Final Design (via Shop Drawings, Hydraulic Calculations, Product Submittal, etc.) is the Sole Responsibility of the Fire Protection Contractor.
- 4.) All Areas Assume Light Hazard Sprinkler Protection in Accordance with NFPA 13 (2010) Unless Noted Otherwise.
- 5.) Minimum 18" Clearance Required between Sprinkler Deflector and Top of Storage and Obstructions in All Areas.
- 6.) All Standpipe Distribution Piping shall be 6" Minimum.
- 7.) Provide all System Components Necessary for a Complete Installation. System Components shall include but are not Limited to Distribution Piping, Sprinkler Piping, Sprinklers, Pipe Supports, Alarms, Drains, Test Connections, Control Valves and Check Valves.
- 8.) All System Components, Unless Noted Otherwise shall be per Project Specifications.
- 9.) Any Additional Sprinklers Required per NFPA 13 (2010) Requirements to avoid Obstructions or Provide Adequate Coverage Above and Below all Obstructions is the Responsibility of the Fire Protection Contractor. Verify all Locations with Actual Field Conditions.
- 10.) Shop Drawings shall be Approved by the Owner's Designated Representative and the City of Saint Paul prior to Fabrication.
- 11.) All Components of the Sprinkler System shall be in Accordance with NFPA 13 (2010), NFPA 14 (2003), NFPA 20 (2010), NFPA 25 (2008), NFPA 72 (2010), Project Specifications and the City of St. Paul Requirements.
- 12.) Hang all Branch Line and Main Piping per NFPA 13 (2010), Chapter 9.
- 13.) High Temperature and Intermediate Temperature Sprinklers shall be Installed in Accordance with Section 8.3.2 of NFPA 13 (2010).
- 14.) Contractor shall indicate all Pipe Supports and Locations in Accordance with NFPA 13 (2010) Requirements.
- 15.) Unless Noted Otherwise, all Areas include a Wet Sprinkler System. Temperature Maintained Greater than or Equal to 40 Degrees Fahrenheit at all times, at the Responsibility of the Owner.
- 16.) Steel Sprinkler Pipe Required in all Areas. See Specifications for Requirements.
- 17.) Fire Protection Contractor to Verify the Accuracy of the Building Plans and Specifications with the Design Team and Actual Field Conditions, Prior to Bid.
- 18.) The Fire Protection Contractor is Responsible for Coordination with all Trades. Provide Alternate Pipe Routing, if necessary, to Eliminate Conflicts.

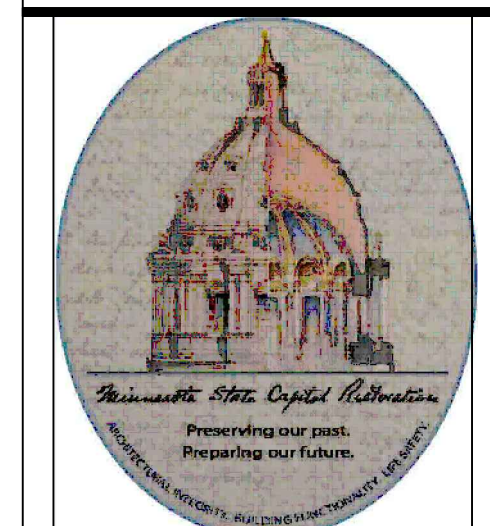


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## KEY PLAN



# Minnesota State Capitol Repairs, Restoration, & Preservation

75 Rev Dr. Martin Luther King Jr Blvd  
Saint Paul, MN 55155

STATE PROJECT NUMBER - 02CB0015

I HEREBY CERTIFY THAT THIS PLAN,  
SPECIFICATION OR REPORT WAS PREPARED  
BY ME OR UNDER MY DIRECT SUPERVISION  
AND THAT I AM A DULY LICENSED  
PROFESSIONAL ENGINEER UNDER THE  
LAWS OF THE STATE OF MINNESOTA

NAME: DANIEL J. PICCIANO  
DATE: JUNE 14, 2013  
REGISTRATION NUMBER: 47297

[illegible]

HGA NO: 0476-061-0

# SITE PLAN, NOTES AND DETAILS

WORK PACKAGE 1

FP000